

BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineer
 Yelahanka Division
 U.R.M.P. Bengaluru - 56

MODIFIED APPROVED TENDER SCHEDULE - 'B'

Name of Work:- Modified schedule-B for Drilling of borewells and providing pump and motors in ward No:03 of Yelahanka New Town in place of providing asphaltting to road at Jawahar nagar house in Muneshwara layout Awar ward No:03 (003-14-000018)

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor	
				Technical Manager (Wusl) KRIDL, BBMP.	Rate in Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, 10 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., as per Specification and direction	Each	2.00	1882.00	Rupees one thousand eight hundred eighty two only
2	Sinking Borewell of 165 mm dia clay using super last hydraulic rig of capacity 250 PSIG & above CFM & above in all strata including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, mounding and welding including transportation of rig and supporting vehicles, crew changes and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.)	Rmt			
	0 to 50 m		100.00	306.00	Rupees three hundred six only
	50 to 100 m		100.00	400.00	Rupees four hundred only
	100 to 150 m		100.00	445.00	Rupees four hundred forty five only
	150 to 200 m		100.00	470.00	Rupees four hundred seventy only
	200 to 250 m		100.00	544.00	Rupees five hundred forty four only
	250 to 300m		30.00	583.00	Rupees five hundred eighty three only

3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material conforming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / strips in random length of 4 to 7 mls both ends threaded conforming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	Rmt	90.00	1325.00	Rupees one thousand three hundred twenty five only
4	Providing and fixing 250mm dia PVC @ kg/sqcm pressure pipe including jointing and labour charges for laying pipes and as per specification and directions. (BWSSB SR 13-14, P. No 451 no 1 of sl no 11.)	Each	20.00	754.47	Rupees seven hundred forty four and paise forty seven only
5	Providing and fixing 160mm Borewell cap	Each	2	100.00	Rupees one hundred only
6	Supply and delivery at site brand New lexmar innovay Lubr Saber / Atelerlar Calamell make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CP pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (wet type) squirrel cage submersible induction motor suitable for operation of 3PH, 50 Hz, 380/440 volts, AC supply fitted with required accessories such as suction, casing suction strainers, sand guard Non return valve etc. complete. The pump and motor shall form an integral unit with all the required fittings	No	2.00	60034.36	Rupees six thousand eighty four and paise thirty six only
7	Supplying of ISI marked galvanized mild steel tube (continuously welded electric resistance welded (ERW) high frequency induction welded (HFV)) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1985 with latest standards, pipes threadless at one end and the other end provided as per specification in random lengths of 4 to 7 mtrs. Conforming to IS 1239 part II 1990 with amendment 1-5 and with all its latest amendments if any. The pipes supplied should be with BIS mark No 308-G3 2406/15 10 2008	Rmt			
8	Heavy Duty Collar 50 mm dia		400.00	375.00	Rupees three hundred seventy five only
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No 481 I No 30-B 4 0 Sqmm mm of 35 strands C 3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-00 4538/19 01 2009	Mtr	840.00	151.00	Rupees one hundred fifty one only
10	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps one borewell cap. Cable clips with bolts nuts valves gauges etc., involved in the job (Necessary GI pipe and screws will be supplied by the board at the site free of cost)	No	2.00	3000.00	Rupees three thousand only

11	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.	Each	2.00	285.00	Rupees two hundred eighty five only
12	Supplying of LTUG cable having aluminium conductor PVC insulated sheathed, galvanised steel wire / steel lap armoured cable with PVC outer sheathing 1.1 KV class	Mtr	50.00	150.00	Rupees one hundred fifty only
13	Labour charges for laying of 1.1 KV class UG cable (PWD Electrical SR-1999-2000)	Mtr	50.00	8.00	Rupees eight only
14	Digging or trenching of 0.6m deep x 0.5 mtr wide rolling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB)	Mtr	40.00	60.00	Rupees sixty only
15	Supplying and fixing of Class A (onealum duty) GI pipe of wall thickness not less than 3.25mm in pole/wall/drain crossing with necessary clamping arrangements for UG cable 6/1.1 KV class	Mtr	8.00	240.00	Rupees two hundred forty only
16	Supplying and fixing LT, cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bituminousinsulating compound complete with terminals, clamps, bolts, nuts and washers etc.	No	2.00	260.00	Rupees two hundred sixty only
17	Supplying, fixing, wiring, earth electrode for grounding conduits, LC cutouts and other equipments on live meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of soil and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc. The pipe shall have 16 through holes of 122 mm dia. (PWD Electrical SR-1999-2000)	No	2.00	1950.00	Rupees one thousand nine hundred fifty only
18	Supplying and fixing of Porcelain luse channel with cut out on existing wooden / panel using necessary, nuts, bolts and washer etc., complete. P No. 306 No 3b	No	12.00	100.00	Rupees one hundred only
19	KSRB 13.7.1.4 Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HDM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13	No	2.00	1114.06	Rupees one thousand one hundred fourteen and paise six only
20	Providing N/P/C/P waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete P. No 84 / I No 13.81.3	Nos	2.00	201.40	Rupees two hundred one and paise forty only
21	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No	8.00	80.00	Rupees eighty only
22	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery. Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift = loading, unloading and labour charges etc complete as per specifications	No	2.00	350.00	Rupees three hundred fifty only
23	Supplying and fixing miniature circuit breakers/soliters on existing MCB distribution boards using necessary fixing material complete as required 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No	2.00	1000.00	Rupees one thousand only

24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with lamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc. complete box of 21600 sqcm	Sq Cm	46800 DD	0.33	Paise thirty three only
25	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsht/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 800x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key nbs should be provided inside the door, canopy apron and louvers ventilators shall be provided, the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	No.	2.00	11000.00	Rupees eleven thousand only
26	Earth work excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs, including shoring and strutting danger lighting and using sight rails and boning rods at every 100 mtrs wherever necessary as directed in the following strata manual means in hard soil	Cum	33.75	203.04	Rupees two hundred three and paise four only
27	Providing and installation at site of works P.V.C. Pipes including cost of pipes and specials and including lowering into trenches, laying true to line level and perfect linking at joints, leak proof including pointing encasing the pipe around to a depth Not less than 15cm with grave or selected earth available from the excavation Etc., Page No.12 item No.3.4.2 b PRED SR 2010-11.	Rmtr			
	75 mm dia 6 KSC PVC pipe		100.00	157.00	Rupees one hundred fifty seven only
28	Refilling the basement and pipe line trenches with selected available earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum	33.75	71.28	Rupees seventy one and paise twenty eight only
29	KSRB 13.6.3.6 Providing and fixing in position brass gate valve with CI wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials labour and H.O.M of equipments with all leads complete as per specifications.	Rmtr	2.00	2120.00	Rupees two thousand one hundred twenty only

Signature of the Contractor
 Assistant Executive Engineer
 Byatarayanapura Sub-division
 KRIDL BBMP, Bangalore

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